

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: STREETWORKS

Report Number: P561345

Luminaire Tested: **SDL-PA1-90-830-U-SL3-HSS-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P561345
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-13)
Test Lab: INNOVATION CENTER
Issue Date: 7/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: SDL-PA1-90-830-U-SL3-HSS-A
Description: Springdale
(1) 80 CRI, 3000K, 1180mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS, HOUSE SIDE SHIELD AND CLEAR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6380.6 lumens
Efficiency: N/A
Efficacy: 69.1 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.21' x L: 1.21' x H: 0.96')
IES Classification: Type IV - Medium
BUG Rating: B1 - U3 - G3

Input Watts (W): 92.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

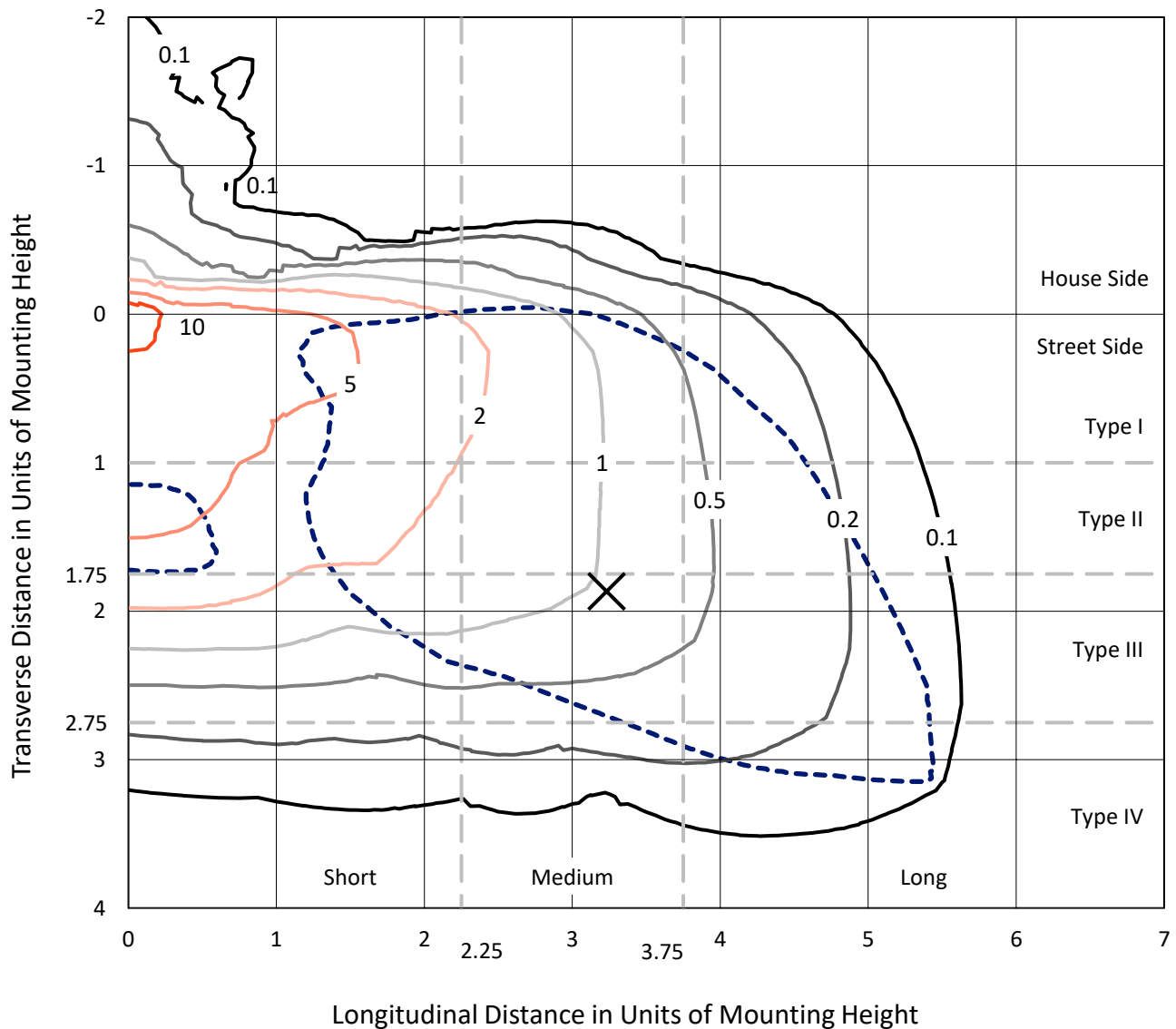


REPORT NUMBER: P561345

CATALOG NUMBER: SDL-PA1-90-830-U-SL3-HSS-A

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

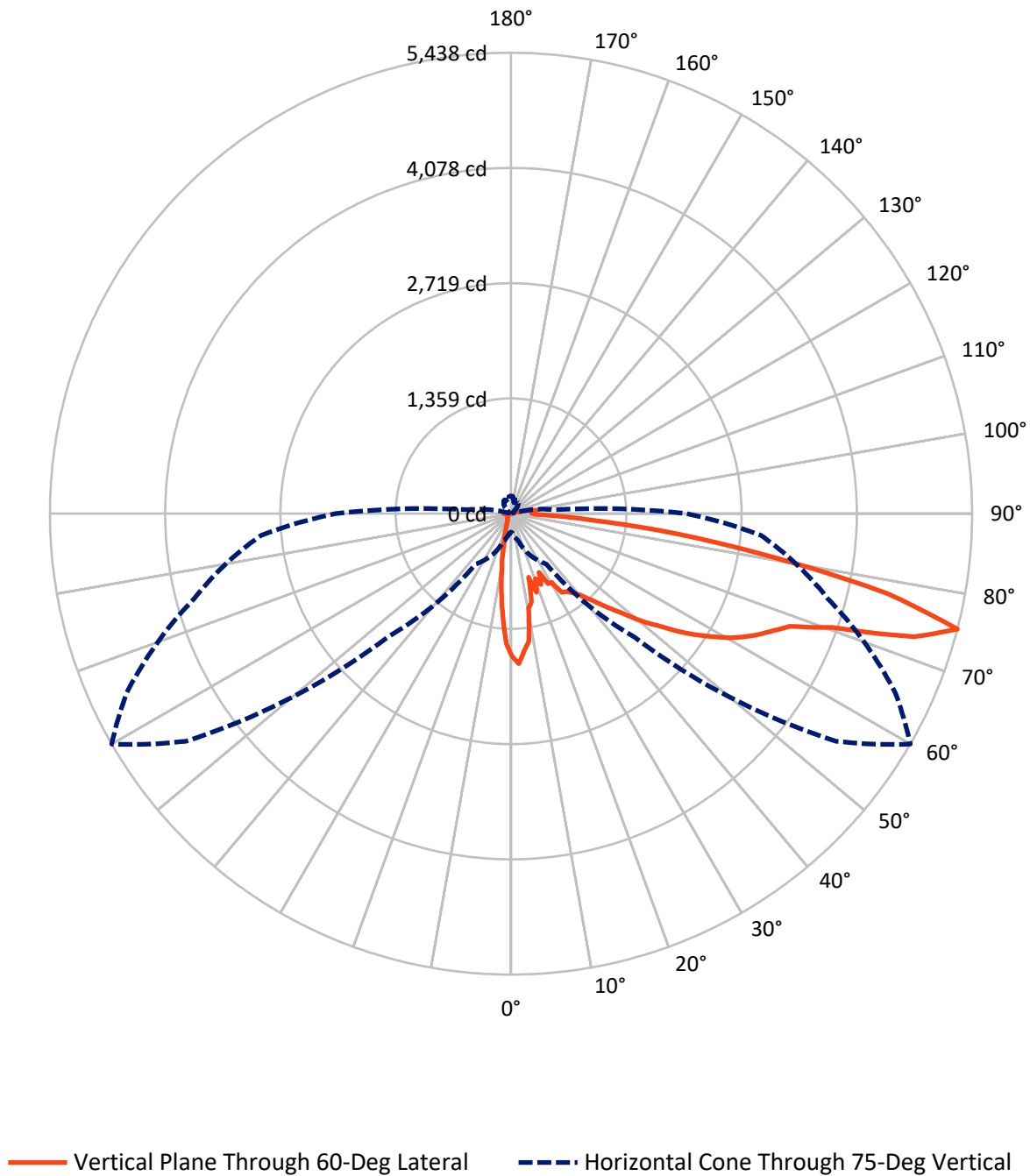


Based on 10 foot mounting height. Maximum calculated value = 16.9 fc
 Type IV - Medium - N/A

REPORT NUMBER: P561345

CATALOG NUMBER: SDL-PA1-90-830-U-SL3-HSS-A

Luminous Intensity Polar Plot



REPORT NUMBER: P561345

CATALOG NUMBER: SDL-PA1-90-830-U-SL3-HSS-A

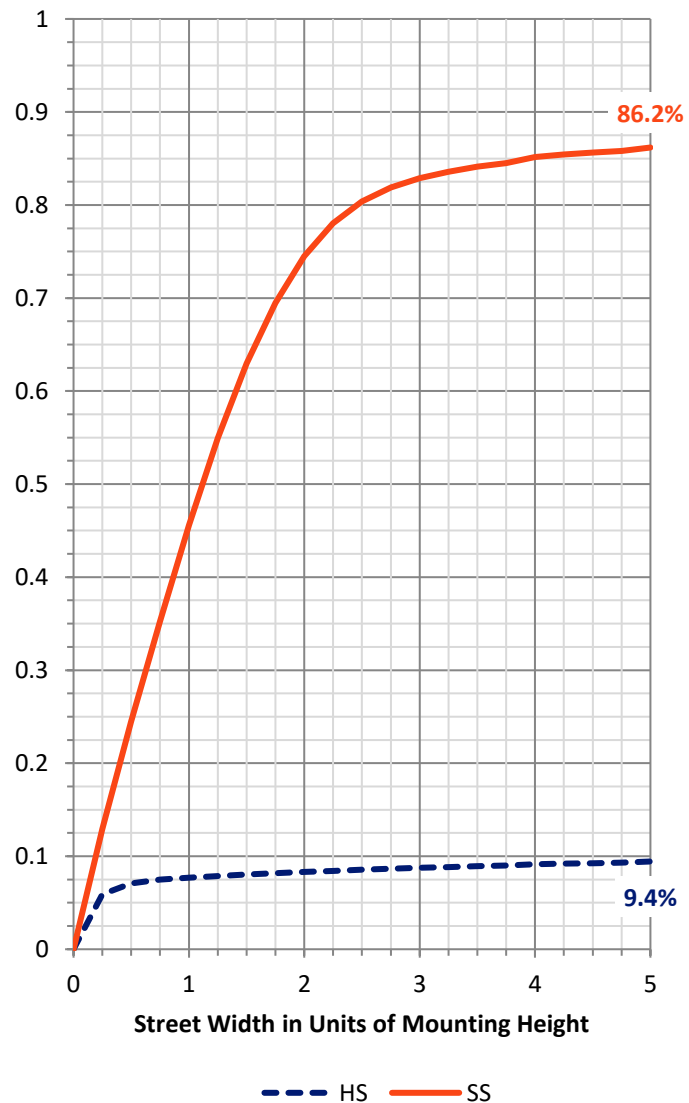
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	659.4	85.9	745.3
	% Fixture	10.3	1.3	11.7
Street Side	Lumens	5545.5	89.8	5635.3
	% Fixture	86.9	1.4	88.3
Total	Lumens	6204.9	175.7	6380.6
	% Fixture	97.2	2.8	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	117.1	1.8
10°-20°	192.0	3.0
20°-30°	271.4	4.3
30°-40°	487.8	7.6
40°-50°	822.0	12.9
50°-60°	1278.4	20.0
60°-70°	1508.6	23.6
70°-80°	1223.7	19.2
80°-90°	303.8	4.8
90°-100°	122.6	1.9
100°-110°	28.4	0.4
110°-120°	8.9	0.1
120°-130°	7.9	0.1
130°-140°	4.2	0.1
140°-150°	2.0	0.0
150°-160°	1.7	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	6204.9	97.2
0°-180°	6380.6	100.0

Coefficient of Utilization



REPORT NUMBER: P561345

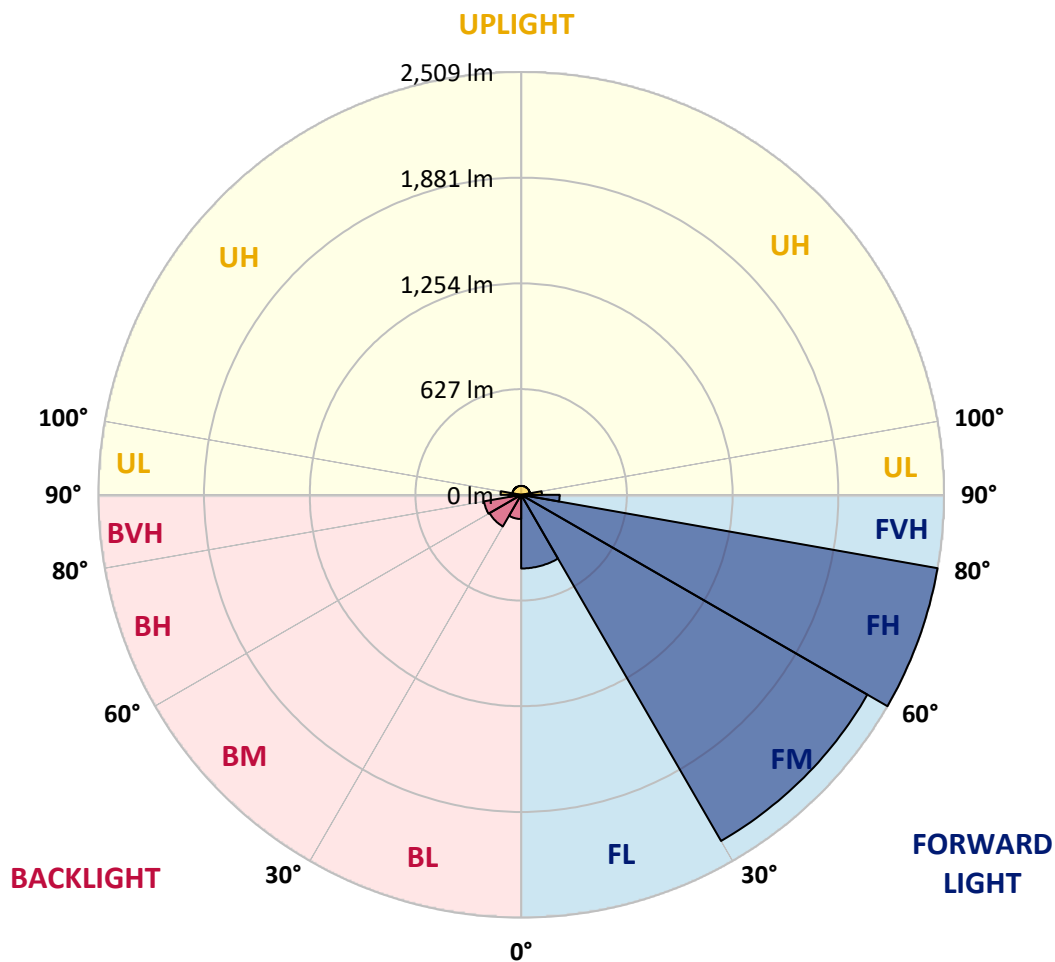
CATALOG NUMBER: SDL-PA1-90-830-U-SL3-HSS-A

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	437.1	6.8			
FM	(30°-60°)	2371.4	37.2			
FH	(60°-80°)	2508.5	39.3			G2/5000
FVH	(80°-90°)	228.4	3.6			G3/500
BL	(0°-30°)	143.4	2.2	B1/500		
BM	(30°-60°)	216.8	3.4	B0/220		
BH	(60°-80°)	223.8	3.5	B1/500		G1/500
BVH	(80°-90°)	75.4	1.2			G1/100
UL	(90°-100°)	122.6	1.9		U3/500	
UH	(100°-180°)	53.1	0.8		U3/500	

BUG Rating: B1-U3-G3

Type IV Medium



REPORT NUMBER: P561345

CATALOG NUMBER: SDL-PA1-90-830-U-SL3-HSS-A

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	1686.7	1686.7	1686.7	1686.7	1686.7	1686.7	1686.7	1686.7	1686.7	1686.7	1686.7
2.5°	1586.4	1707.3	1672.0	1784.0	1798.8	1792.9	1787.0	1772.2	1757.5	1730.9	1689.6
5°	1521.6	1533.4	1524.5	1545.2	1548.1	1557.0	1542.2	1624.8	1763.4	1728.0	1663.1
7.5°	1250.3	1374.1	1388.9	1427.2	1462.6	1498.0	1518.6	1515.7	1338.7	1503.9	1430.2
10°	1276.8	1294.5	1291.6	1318.1	1288.6	1238.5	1129.4	1132.3	1132.3	1167.7	1206.0
12.5°	1011.4	1064.5	1194.3	1235.5	1147.1	1043.9	1052.7	1073.4	1088.1	923.0	1017.3
15°	1147.1	1150.0	1153.0	1153.0	864.0	987.8	861.0	778.5	890.5	1091.0	1108.7
17.5°	899.4	890.5	1038.0	1026.2	952.5	734.2	955.4	976.0	937.7	917.1	923.0
20°	1055.7	1055.7	1046.8	834.5	878.7	946.6	819.8	816.8	864.0	1073.4	1085.1
22.5°	855.1	846.3	893.5	928.9	834.5	902.3	808.0	908.2	1005.5	949.5	775.5
25°	1070.4	1070.4	1035.0	805.0	864.0	775.5	896.4	769.6	855.1	1161.8	1105.8
27.5°	990.8	964.3	881.7	914.1	775.5	902.3	825.7	934.8	987.8	1203.1	1288.6
30°	1279.8	1270.9	1176.6	920.0	881.7	828.6	887.6	940.7	1138.2	1559.9	1489.1
32.5°	1707.3	1660.2	1338.7	1138.2	925.9	981.9	946.6	1105.8	1250.3	1595.3	1509.8
35°	1822.3	1787.0	1633.6	1383.0	1038.0	1038.0	1017.3	1129.4	1282.7	1672.0	1554.0
37.5°	1860.7	1857.7	1804.7	1512.7	1191.3	1194.3	1076.3	1185.4	1347.6	1775.2	1618.9
40°	1884.3	1890.2	1943.2	1648.4	1353.5	1347.6	1185.4	1265.0	1447.8	1887.2	1736.8
42.5°	1984.5	2017.0	2081.8	1798.8	1506.8	1509.8	1318.1	1391.8	1580.5	2073.0	1899.0
45°	2208.6	2217.5	2255.8	2005.2	1651.3	1672.0	1486.2	1562.9	1742.7	2276.5	2081.8
47.5°	2547.7	2547.7	2482.9	2167.4	1822.3	1851.8	1663.1	1742.7	1934.4	2574.3	2294.1
50°	2848.5	2824.9	2683.4	2359.0	1960.9	2025.8	1896.1	1987.5	2096.6	2801.3	2559.5
52.5°	3037.2	3028.4	2854.4	2488.8	2108.4	2217.5	2087.7	2205.7	2285.3	3037.2	2798.4
55°	3010.7	3010.7	2898.6	2556.6	2244.0	2391.5	2335.4	2482.9	2512.4	3261.3	2972.4
57.5°	2910.4	2925.2	2872.1	2583.1	2270.6	2556.6	2589.0	2727.6	2777.7	3391.1	3081.5
60°	2707.0	2736.5	2792.5	2618.5	2373.8	2742.4	2848.5	2972.4	3066.7	3488.4	3172.9
62.5°	2326.6	2364.9	2562.5	2615.6	2453.4	2934.0	3069.7	3178.8	3267.2	3541.5	3237.8
65°	1763.4	1834.1	2120.2	2426.8	2447.5	3158.1	3249.6	3355.7	3441.2	3594.6	3405.8
67.5°	1126.4	1129.4	1439.0	2005.2	2282.4	3473.7	3491.4	3544.4	3600.5	3742.0	3644.7
70°	580.9	610.4	757.8	1279.8	1869.5	3538.5	4095.9	4019.2	3933.7	4063.4	3954.3
72.5°	386.3	418.7	498.3	690.0	1173.6	3190.6	4753.4	4965.7	4588.3	4302.3	3683.0
75°	218.2	235.9	333.2	545.5	725.4	2061.2	4679.7	5437.5	5001.1	3865.8	2960.6
77.5°	97.3	103.2	150.4	427.6	622.2	1005.5	3683.0	4544.1	4370.1	3223.0	2134.9
80°	53.1	53.1	70.8	197.6	527.8	757.8	2444.5	3164.0	2972.4	1943.2	970.1
82.5°	29.5	32.4	41.3	94.4	321.4	693.0	1545.2	1984.5	1568.7	533.7	392.2
85°	11.8	11.8	17.7	50.1	118.0	586.8	846.3	943.6	634.0	271.3	303.7
87.5°	5.9	5.9	5.9	17.7	38.3	150.4	277.2	297.8	233.0	215.3	262.4
90°	8.8	8.8	5.9	5.9	26.5	159.2	233.0	244.7	191.7	215.3	265.4
92.5°	11.8	8.8	5.9	5.9	20.6	159.2	265.4	262.4	191.7	215.3	274.2
95°	14.7	11.8	5.9	5.9	20.6	141.5	318.5	286.0	206.4	218.2	289.0
97.5°	14.7	14.7	5.9	5.9	20.6	109.1	336.2	289.0	179.9	141.5	197.6
100°	17.7	17.7	5.9	5.9	23.6	64.9	233.0	215.3	126.8	47.2	56.0
102.5°	20.6	20.6	5.9	5.9	14.7	32.4	112.1	109.1	70.8	11.8	20.6
105°	20.6	23.6	5.9	5.9	5.9	14.7	41.3	50.1	35.4	11.8	20.6
107.5°	23.6	26.5	5.9	5.9	5.9	8.8	17.7	17.7	11.8	11.8	20.6
110°	23.6	23.6	5.9	5.9	5.9	5.9	5.9	5.9	5.9	11.8	20.6

REPORT NUMBER: P561345

CATALOG NUMBER: SDL-PA1-90-830-U-SL3-HSS-A

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
112.5°	17.7	17.7	2.9	5.9	5.9	5.9	2.9	5.9	5.9	8.8	17.7
115°	8.8	5.9	2.9	5.9	2.9	5.9	2.9	5.9	8.8	8.8	20.6
117.5°	2.9	2.9	2.9	2.9	2.9	5.9	2.9	5.9	5.9	14.7	26.5
120°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	5.9	5.9	20.6	32.4
122.5°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	5.9	5.9	20.6	38.3
125°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	5.9	5.9	14.7	35.4
127.5°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	5.9	5.9	14.7	29.5
130°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	5.9	5.9	11.8	26.5
132.5°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	5.9	11.8	20.6
135°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	5.9	14.7
137.5°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	5.9
140°	2.9	0.0	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
142.5°	2.9	0.0	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
145°	2.9	2.9	2.9	2.9	5.9	2.9	2.9	2.9	2.9	2.9	2.9
147.5°	2.9	2.9	2.9	5.9	5.9	2.9	2.9	2.9	2.9	2.9	2.9
150°	11.8	11.8	11.8	8.8	5.9	2.9	8.8	5.9	2.9	2.9	2.9
152.5°	8.8	8.8	14.7	5.9	2.9	2.9	2.9	8.8	8.8	2.9	2.9
155°	8.8	8.8	5.9	2.9	2.9	2.9	2.9	2.9	2.9	8.8	11.8
157.5°	2.9	2.9	2.9	0.0	2.9	2.9	2.9	2.9	2.9	5.9	2.9
160°	0.0	0.0	0.0	0.0	2.9	2.9	2.9	2.9	2.9	2.9	2.9
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P561345

CATALOG NUMBER: SDL-PA1-90-830-U-SL3-HSS-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1686.7	1686.7	1686.7	1686.7	1686.7	1686.7	1686.7	1686.7	1686.7	1686.7	1686.7
2.5°	1674.9	1657.2	1610.0	1565.8	1512.7	1480.3	1368.2	1241.4	1214.9	1209.0	1188.4
5°	1633.6	1595.3	1503.9	1309.3	1114.6	1026.2	984.9	952.5	908.2	899.4	887.6
7.5°	1385.9	1321.1	1179.5	940.7	911.2	828.6	760.8	704.8	583.9	551.4	533.7
10°	1153.0	1096.9	805.0	684.1	622.2	560.3	486.5	430.5	380.4	356.8	348.0
12.5°	931.8	875.8	601.6	542.6	386.3	318.5	277.2	230.0	191.7	171.0	171.0
15°	1032.1	940.7	622.2	386.3	253.6	188.7	138.6	123.8	144.5	147.4	147.4
17.5°	843.4	751.9	489.5	300.8	185.8	103.2	112.1	126.8	138.6	120.9	123.8
20°	970.1	843.4	492.4	227.1	118.0	100.3	103.2	94.4	126.8	129.7	129.7
22.5°	734.2	663.5	371.5	179.9	91.4	94.4	88.5	106.2	118.0	103.2	100.3
25°	949.5	781.4	377.4	115.0	91.4	76.7	91.4	82.6	109.1	112.1	112.1
27.5°	1088.1	875.8	330.3	100.3	76.7	82.6	73.7	85.5	82.6	82.6	82.6
30°	1235.5	955.4	321.4	97.3	73.7	67.8	70.8	67.8	79.6	82.6	82.6
32.5°	1235.5	914.1	244.7	97.3	70.8	64.9	56.0	61.9	64.9	70.8	73.7
35°	1244.4	878.7	179.9	88.5	64.9	56.0	50.1	50.1	56.0	59.0	59.0
37.5°	1270.9	855.1	138.6	82.6	59.0	50.1	41.3	44.2	76.7	85.5	85.5
40°	1344.6	855.1	118.0	76.7	53.1	44.2	35.4	56.0	64.9	76.7	76.7
42.5°	1459.6	866.9	112.1	73.7	47.2	38.3	29.5	44.2	79.6	91.4	94.4
45°	1580.5	890.5	106.2	70.8	44.2	32.4	35.4	53.1	61.9	82.6	82.6
47.5°	1748.6	940.7	103.2	67.8	41.3	26.5	32.4	53.1	67.8	88.5	88.5
50°	1931.4	993.7	97.3	64.9	35.4	23.6	50.1	44.2	56.0	91.4	91.4
52.5°	2120.2	1055.7	94.4	61.9	32.4	32.4	56.0	53.1	67.8	88.5	91.4
55°	2285.3	1105.8	88.5	61.9	29.5	29.5	59.0	53.1	61.9	82.6	85.5
57.5°	2364.9	1114.6	85.5	59.0	26.5	29.5	56.0	64.9	56.0	67.8	73.7
60°	2465.2	1138.2	76.7	53.1	23.6	38.3	64.9	85.5	76.7	88.5	94.4
62.5°	2559.5	1155.9	67.8	47.2	20.6	41.3	85.5	103.2	82.6	103.2	115.0
65°	2733.5	1194.3	56.0	38.3	17.7	47.2	97.3	123.8	91.4	120.9	120.9
67.5°	2975.3	1256.2	44.2	32.4	17.7	53.1	100.3	141.5	109.1	132.7	129.7
70°	3069.7	1155.9	38.3	29.5	17.7	61.9	109.1	153.3	115.0	147.4	147.4
72.5°	2677.5	834.5	32.4	29.5	29.5	70.8	135.6	168.1	126.8	185.8	182.8
75°	2067.1	524.9	32.4	29.5	35.4	88.5	153.3	179.9	135.6	206.4	203.5
77.5°	1377.1	247.7	32.4	32.4	41.3	97.3	165.1	191.7	150.4	230.0	227.1
80°	539.6	135.6	35.4	35.4	50.1	103.2	176.9	197.6	156.3	247.7	244.7
82.5°	259.5	94.4	35.4	35.4	67.8	115.0	188.7	206.4	162.2	250.6	247.7
85°	221.2	88.5	32.4	38.3	82.6	144.5	200.5	203.5	165.1	238.9	238.9
87.5°	197.6	85.5	32.4	38.3	112.1	168.1	209.4	200.5	176.9	233.0	233.0
90°	203.5	91.4	35.4	44.2	126.8	171.0	212.3	200.5	171.0	215.3	215.3
92.5°	218.2	97.3	38.3	47.2	126.8	159.2	197.6	179.9	159.2	182.8	179.9
95°	230.0	103.2	41.3	53.1	112.1	123.8	165.1	144.5	132.7	141.5	141.5
97.5°	176.9	79.6	47.2	59.0	85.5	73.7	103.2	94.4	70.8	59.0	59.0
100°	47.2	26.5	50.1	59.0	59.0	50.1	76.7	70.8	47.2	20.6	20.6
102.5°	17.7	17.7	47.2	56.0	47.2	38.3	56.0	53.1	38.3	5.9	5.9
105°	17.7	14.7	29.5	44.2	29.5	20.6	29.5	35.4	23.6	5.9	5.9
107.5°	17.7	14.7	17.7	26.5	11.8	8.8	11.8	11.8	11.8	2.9	5.9
110°	17.7	14.7	8.8	11.8	8.8	8.8	8.8	5.9	5.9	11.8	11.8

REPORT NUMBER: P561345

CATALOG NUMBER: SDL-PA1-90-830-U-SL3-HSS-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	17.7	14.7	8.8	11.8	8.8	8.8	5.9	5.9	8.8	17.7	17.7
115°	17.7	14.7	8.8	8.8	5.9	8.8	5.9	2.9	8.8	20.6	23.6
117.5°	23.6	14.7	5.9	5.9	5.9	5.9	5.9	2.9	8.8	26.5	29.5
120°	29.5	17.7	5.9	5.9	5.9	2.9	5.9	2.9	11.8	26.5	29.5
122.5°	32.4	20.6	5.9	5.9	5.9	2.9	2.9	5.9	11.8	26.5	26.5
125°	32.4	20.6	5.9	5.9	2.9	2.9	2.9	2.9	11.8	26.5	29.5
127.5°	26.5	17.7	5.9	5.9	2.9	2.9	2.9	2.9	11.8	23.6	26.5
130°	23.6	17.7	5.9	5.9	2.9	2.9	2.9	2.9	11.8	20.6	23.6
132.5°	17.7	14.7	5.9	2.9	2.9	2.9	2.9	2.9	11.8	17.7	20.6
135°	14.7	8.8	5.9	2.9	2.9	2.9	2.9	2.9	8.8	17.7	17.7
137.5°	5.9	5.9	2.9	2.9	2.9	2.9	2.9	2.9	5.9	8.8	8.8
140°	5.9	5.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	5.9	5.9
142.5°	2.9	5.9	2.9	2.9	2.9	2.9	0.0	2.9	2.9	2.9	2.9
145°	2.9	5.9	2.9	2.9	2.9	2.9	0.0	2.9	2.9	2.9	2.9
147.5°	2.9	5.9	2.9	2.9	2.9	2.9	0.0	2.9	2.9	2.9	2.9
150°	2.9	5.9	2.9	2.9	2.9	2.9	0.0	2.9	2.9	2.9	5.9
152.5°	2.9	5.9	2.9	2.9	2.9	0.0	0.0	2.9	2.9	2.9	2.9
155°	11.8	8.8	5.9	2.9	2.9	0.0	0.0	0.0	2.9	2.9	2.9
157.5°	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	2.9	2.9	2.9
160°	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	2.9	2.9	2.9
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)